



PATENT ABSTRACTS OF JAPAN

(11) Publication number: **2001149757 A**(43) Date of publication of application: **05.08.01**

(51) Int. Cl. **B01D 53/94**
B01D 53/86
B01J 23/58
B01J 37/02
B01J 37/04

(21) Application number: **11338238**(71) Applicant: **CATALER CORP**(22) Date of filing: **29.11.99**(72) Inventor: **HAYASHI KIYOTAKA****(54) EXHAUST GAS PURIFYING CATALYST****(57) Abstract:**

PROBLEM TO BE SOLVED: To provide a high temperature NO_x occlusion/reduction type exhaust gas purifying catalyst exhibiting catalytic activity even at high temperature use and exhibiting an effective purifying action while suppressing the sintering of noble metal.

SOLUTION: In the NO_x occlusion/reduction type exhaust gas purifying catalyst having a carrier and a catalyst retaining layer formed on the carrier, the catalyst retaining layer is composed of alumina

powder to which a noble metal is previously deposited, titanium oxide powder, the cerium oxide powder to which a noble metal is deposited and at least one kind of NO_x occluding alkali metal salts and alkaline earth metal salts supported on the alumina powder, the titanium oxide powder and the cerium oxide powder, and at least one kind of the alkali metal salts and the alkaline earth metal salts is deposited in the state dissolved in the slurry aqueous solution in which the alumina powder, the titanium oxide powder and the cerium oxide powder are dispersed.

COPYRIGHT: (C)2001,JPO